

ABSTRACT

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3 A homogeneous, amorphous catalyst support comprising a
4 modifying-metal-oxide and a base-metal oxide, the catalyst support
5 having a Surface to Bulk modifying-metal /base-metal atomic ratio of
6 from about 0.6 to about 1.3 and exhibiting an X-ray diffraction having
7 broader line width and lower intensity than is exhibited by the
8 base-metal oxide is disclosed. More specifically, a homogeneous,
9 amorphous silica-modified-alumina catalyst support useful in the
10 Fischer-Tropsch process is disclosed. A silica-modified-alumina catalyst
11 support of the present invention maintains the desirable properties of
12 alumina and exhibits higher resistance to acid than unmodified alumina.